

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

Ph/24/84

REGION SITE NUMBER (to be seeign

6 · |

TX 05746

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (Section II). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Tack Force (EN-335); 401 M St., SW; Washington, DC 20460.

| | I SITE IDEN | TIFICATION | TXDO | 26 4173 | 200 |
|---------------------------------------|------------------------------------|-----------------|-------------------|--------------------|-------------------------|
| A. SITE NAME | | B. STREET (or | other identifier) | المساك الساك المسا | |
| Richmond Tank Car Compa | an <u>y</u> | Old Clut | e Road (P. | | |
| C. CITY | | 8 . i | E. ZIP CODE | F. COUNTY NA | |
| Angleton G. SITE OPERATOR INFORMATION | | TX · | 77515 | Brazor | `1a |
| G. SITE OPERATOR INFORMATION | | | | 1 2. TELEPHON | ENUMBER |
| Richmond Tank Car Compa | any | | | (713) 751 | |
| 3. STREET | | | | B. STATE | 6. ZIP CODE |
| Old Clute Road | Anglet | on - | | ΤX | 77515 |
| H. REALTY OWNER INFORMATION (| I different from operator of alte) | | · | J | <u> </u> |
| 1. NAME | • | | | 2. TELEPHON | E NUMBER |
| Same as site operator | | | | | |
| 3. city | | | | 4. STATE | 8. ZIP CODE |
| L CITE DESCRIPTION LIVE | | manal tar | # A M L | nd hanna | 1 |
| i. SITE DESCRIPTION Washing | and maintenance ter | minal for | tank cars a | ına nopper | udrs. |
| J. TYPE OF OWNERSHIP | | | | | |
| 1. FEDERAL 2. STAT | TE 3. COUNTY | 4. MUNICIPAL | X 5. PRIVA | TE | |
| | | memorrat | <u> </u> | · - | • |
| | II. TENTATIVE DISPOSITIO | N (complete th | is section last) | | |
| A. ESTIMATE DATE OF TENTATIVE | | | | | |
| DISPOSITION (mo., day, & yr.) | 1. HIGH | 2. MEDIUM | [X] 3. LOW | 4. NON! | E |
| | | | | | |
| C. PREPARER INFORMATION | | | | a. DATE (mo., | day A ve. 1 |
| 1. NAME Philip S. Liang | , | (713) 943 | | 5/31/84 | |
| THITTH 3. LIGHY | | | | 3/31/04 | 1 |
| A. PRINCIPAL INSPECTOR INFORMA | III. INSPECTION | N INFORMATIO | <u> </u> | | |
| 1. NAME | 1 | 2. TITLE | | | |
| Philip S. Liang | | Pro.iect | t Engineer | | |
| 3. ORGANIZATION | 9920 Gulf | | | 4. TELEPHON | E NO. (area code & no.) |
| Engineering-Science, I | | | | (713) 943 | 3-2922 |
| B. INSPECTION PARTICIPANTS | | | | | |
| 1. NAME | 2. ORGA | NIZATION | | 3. TEL | EPHONE NO. |
| Philip S. Liang | Engineering-Scien | ce. Inc. | | (713) 943 | 3-2922 |
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| C. SITE REPRESENTATIVES INTER | VIEWED (corporate officials, work | era, realdenta) | T-1- | | |
| 1. NAME | 2. TITLE & TELEPHONE NO |). | | . ADDRESS | |
| | Superintendent | | OU West Loop | | |
| Tony Rodriguez | (409) 849-8554 | Hot | iston, IX | //02/ | ···· |
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| | | m. | INSP | ECTION INFORMATION (co | ontinued) | | |
| D. GENERATOR INFORMATIO | N (sourc | :00 Of Waste) | | | | | |
| 1. NAME | 2. TE | LEPHONE ! | ٧٥. | 1700 W. Loop Sou | Res | 4. WASTE | TYPE GENERATED |
| Richmond lank | | | | 1700 W. Loop 500 | Ch | washin | gs, pellet |
| Car Company | (409 | 9) 849-8 | 554 | Houston, TX 770 | 2/ | lsludge | |
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| | <u> </u> | | | | | | |
| E. TRANSPORTER/HAULER | NFORM | ATION | | | | | |
| 1. NAME | 2. TE | LEPHONE N | 10. | S. ADD | RESS | 4.WASTE T | YPE TRANSPORTED |
| Brazoria County | 1400 | 0) 0/0 / | 26/ | 8311 Stratton Rid Clute, TX 77531 | ge Koau, | float | ings, |
| Disposal Corp. | (40: | 9) 049-4 | 304 | clute, IX 7/331 | ··· | garba | ge |
| | 1 | | | | | | |
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| | <u> </u> | | | | | | |
| F. IF WASTE IS PROCESSED O | | | | ED TO OTHER SITES, IDENT | | | R DISPOSAL. |
| 1. NAME | | LEPHONE N | | | 3. ADDRES | | · · · · · · · · · · · · · · · · · · · |
| City of Angleton | [(409 | 9) 849-4 | 364 | P. 0. Box 726 | Angleton, | TX 77515 | |
| Brazoria County | | | | | | | |
| Disposal Corp. | (40 | 9) 265-2 | 251 | 8311 Stratton R | lidge Road | Clute, TX | 77531 |
| ртзрозат согр. | 1 (10. | | | 0022 00. 4000 | | | |
| · | 1 | | | | | | |
| G. DATE OF INSPECTION | H. TIN | AF OF INSPE | CTION | I. ACCESS GAINED BY: (on | ndentiale must he s | hown in All cases) | |
| Amountain Arms N | 1 | M - 4 PM | | X 1. PERMISSION | 2. WARRAI | _ | |
| J. WEATHER (describe) | <u> </u> | <u> </u> | | | | | |
| - , · · | | Sunny | Q 5 0 | F. wind 0 - 5 mph | 1 | | |
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| A. Merk 'X' for the types of | semale. | a tokan and | | والمرابع والمناوي والمناوي والمناوي والمناوي والمناوي والمناوي | | lab other EDA is | h contractor |
| etc. and estimate when the | | | | | ent e.B., regional | ies, valei gra is | o, conductor, |
| | | 2. SAMPLE | | | | | 4. DATE |
| 1.SAMPLE TYPE | | TAKEN (merk'Z') | . | 3. SAMPL | E SENT TO: | | RESULTS |
| s. GROUNDWATER | | | | | | | 5 /01 /04 |
| S. GROONDWATER | | 2 | Eng | gineering-Science | Laboratory | | 5/31/84 |
| b. SURFACE WATER | | | | | | | |
| | | 1 | 924 | 4 Gemini | | | 5/31/84 |
| e. WASTE | | | | | | | |
| | | | Ho | <u>uston. TX 77058</u> | | | |
| d. AIR | | | | | | | |
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| & SPILL | | <u>.</u> | į . | | | | |
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| g. 501L | • | | | • | | | |
| g. 301C | | | <u> </u> | ···· | | | |
| h. VEGETATION | | 1 | 1 | | | | |
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| i. OTHER(apecify) | | 1 | 1 | | | | 1 |
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| B. FIELD MEASUREMENTS TA | KEN (+ | , | | | 1" | | |
| 1. TYPE | 44112 | 2. LOC | ATION | OF MEASUREMENTS | | 3. RESULTS | |
| NONE TAKEN | 3700 |] | | | 1 | | |
| NONE TAKEN | | <u> </u> | | | | | |
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PAGE 2 OF 10

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| Ļ | . PHOTOS | | 1V. 5AMP | LING INFOR | MA | TION (continued) | <u>_</u> | · |
| | . PHOTOS . TYPE OF PHOTOS | ٠ | ٠ ، ، | 2. PHOTOS IN | | USTODY OF: | , | |
| , | | | l | , | | Region VI | | |
| Ļ | SITE MAPPED? | IAL | <u> </u> | L | <i>γ</i> , | Region VI | | |
| ٦ | | | wass. Soo at | tached IIS | G. | S map and site sketch | 1. | |
| | A TES. SPECIFY LOCKHON | J F | MAPS: JCC UC | tuciled 00 | · u. | map and side sketch | • | |
| Ε | COORDINATES | _ | | , | ` | | | |
| | 1. LATITUDE (degminsec.) | | | | 2 | . LONGITUDE (degmin-sec.) | | . 0 |
| | 290 (| 9 | 02" N | | | | 9 | 5 ⁰ 26' 09" W |
| Г | | | | V. SITE INFO | R | MATION | - | |
| A | SITE STATUS | | | | | | | |
| [| 1. ACTIVE (Those inductrial o | r | 2. INACTIV | | | 3. OTHER(specify): | | |
| | municipal sites which are being us for waste treatment, storage, or dis | | sites which no . | longer receive | | (Those sites that include such inci where no regular or continuing use | | |
| | on a continuing basis, even if infre | | | | | has occurred.) | | • |
| | quently.) | | | | | * . * | | |
| В. | IS GENERATOR ON SITE? | | | | | 2742 | _ | |
| (| 1. NO X 2. YES(ap | ecii | y generator's four-d | ligit SIC Code): | _ | 3743 | | • |
| L | | | | | | | | |
| L | AREA OF SITE (in acres) | | D. ARE THERE | BUILDINGS | Ν. | THE SITE? | | |
| | plant area: 9 acres | | ☐ 1. NO | Z YES(a | pe | office, repair s | h | op, storage shed |
| L | <u>pond area: 2 acres</u> | | | | | | | |
| L | | | | | | OF SITE ACTIVITY | | |
| In | dicate the major site activity(i | es) | and details relati | ing to each ac | tiv | ity by marking 'X' in the approp | pri | ate boxes. |
| X | A. TRANSPORTER | × | B. STOR | RER | x. | C. TREATER | × | D. DISPOSER |
| | 1.RAIL | Х | 1.PILE | | | 1. FILTRATION | χ | 1. LANDFILL |
| | 2. SHIP | X | 2.SURFACE IMPO | UNDMENT | | 2. INCINERATION | | 2. LANDFARM |
| | 3. BARGE | X | 3. DRUMS | | X | 3. VOLUME REDUCTION | | 3. OPEN DUMP |
| Г | 4. TRUCK | ┢ | 4. TANK, ABOVE | GROUND | ^ | 4. RECYCLING/RECOVERY | X | 4. SURFACE IMPOUNDMENT |
| X | S. PIPELINE | | S. TANK, BELOW | GROUND | | S. CHEM./PHYS./TREATMENT | | S. MIDNIGHT DUMPING |
| | 6.OTHER(specify): | | 6. OTHER(specify |): | Y | 6. BIOLOGICAL TREATMENT | Г | 6. INCINERATION |
| .,, | ash water is pumped | Γ | - | | У | 7. WASTE OIL REPROCESSING | | 7. UNDERGROUND INJECTION |
| + | o City of Angleton's | | | | | 8. SOLVENT RECOVERY | У | 8. O THER (specify): |
| | | | | - | | 9.OTHER(specify): | | Discharge to the |
| ١٥١ | ewer | | | | Г | • | | City of Angleton's |
| | | | ٠, | | | | | • |
| | · | | | | l | | | sewer |
| L | | | | | | | | |
| E. | SUPPLEMENTAL REPORTS: If which Supplemental Reports you | | | | | s listed below, Supplemental Repor | ts | must be completed. Indicate |
| _ ا | _ | | _ | _ | | X SURFACE | 1 - | neen well |
| <u> </u> | 1. STORAC | t. II | CINERATION [|] 3. LANDFIL | | 4. IMPOUNDMENT | , 5 . | DEEP WELL |
| | 6. CHEM/BIO/ | /. L | ANDFARM [| 8. OPEN DL | jМF | 9. TRANSPORTER | 10 | . RECYCLOR/RECLAIMER |
| L | | | VII. W | ASTE RELAT | ED | INFORMATION | | · · · · · · · · · · · · · · · · · · · |
| ۸. | WASTE TYPE | ٠, | , | | _ | | | |
| | Ž 1. LIQUID Ž | 2. S | orid [| ⅓ 3. SLUDGE | | 4. GAS | | |
| L | | | | | | | | |
| В. | WASTE CHARACTERISTICS | | | | | | | |
| | 1. CORROSIVE | 2. 1 | GNITABLE [| 3. RADIOAC | CTI | IVE 💭 4. HIGHLY VOLATILE | | |
| | X 5. TOXIC □ | B. F | EACTIVE [| 7. INERT | | X 8. FLAMMABLE | | |
| | | | | | | | | · |
| \Box | 9. OTHER (apocify): | | | | | | | |
| C. | . WASTE CATEGORIES | · S | pecify items such a | s manifests, in | ven | tones, etc. below. | | |
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| Ī | Company records | | | | | | | |

PAGE 3 OF 10

Continue On Reverse

| | | | , | VII. W | ASTE | RELA' | TED IN | FO | RMATIC | N (cor | ntinuec | <u>a)</u> | | | | | |
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| 2 | . Estimate the amou | ist (| | | | | | | | | | | | es are | pre | sent. | |
| 41 | e. SLUDGE | | b. OIL | | c. SO | LVENT | ·S . | Ţ., | | MICAL | | - | e. SOLIDS | | Ļ | f. OTHE | :R |
| | 100 - 200 | Ü | JNKNOWN | î | ÜNKNO | JWN | , | ÛÏ | NKNOW | Ň | | Ű, | DNKNOWN | | ^" | MOUNT | ., • . |
| ەن 1b | per month | UNI | IIT OF MEASURE | U | NIT OF | MEASU | JRE | UN | VIT OF M | IEASUR | E (| JN | NIT OF MEASI | JR E | U, | MG°per | year |
| ×× | (1) PAINT, PIGMENTS | <u>~ '</u> | (1) OILY | · ×· | , HA | LOGEN | ATED | × | (1) ACIE |) \$ | F | Ä | 111 FLYASH | | × | (1) PHARM | ATORY |
| | (2) METALS SLUDGES | P | (2) OTHER(epocif | ty): | | N-HALC LVENTS | | | (2) PICK | KLING JORS | | (2) ASBESTO | | 8 | | (2) HOSPIT | 'AL |
| | (3) POTW | | | F | 13) 07 | HER(ep | ecity): | | (3) CAUS | STICS | | 1 | (3) MILLING/I | MINE | | (3) RADIOA | LCTIVE |
| | (4) ALUMINUM SLUDGE | | | | | | I | | (4) PES1 | TICIDES | • | | (4) FERROUS | | | (4) MUNIC | PAL |
| X | (8) O THER (epocify): | | | | | | | | (5) DYE | S/INKS | | | (5) NON-FERF | ROUS | X | 'S) OTHER | (specify) |
| | il separator loatings | | | | | | | | (6) CYA | NIDE | | | (6) OTHER(sp | | | ank car ater pre | |
| | .! | | | | ٠ | | | | (7) PHE | NOLS | | ł | | | fin | n stabil ion pond | liza- |
| | . ! | | | . | | | | | (8) HAL | OGENS | | ı | | | þe | efore d harging | is- |
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| D. | LIST SUBSTANCES | U. | GREATEST CON | CERN | WHICH | ARE O | N THE | SITI | E (place | in desc | ending: | 01 | rder of hazard) | | L | 4,7% Vita | |
| Γ | | | | | 2. FORM | | | | XICITY | | | | | | • | 300 | |
| L | 1. SUBSTA | NCF | | 8.50- LID | | C. VA- | - 1 | b. MEC | e. | d. NONE | _ | ·s | NUMBER | 5. / | AMC | OUNT | 6. UNIT |
| | Oily float | | | • | Х | .! | | | Х | | NOI | NI | E | 100 | - | 200 | lb/mo |
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| | TELD EVALUATION | | | IPTIC | N: PI | ace an | 'X' in | the | box to | indicat | e that | tl | ne listed haz | ard exi | sts | . Describe | : the |

Continue On Page 5

| VIII. HAZARD DESCRIP | TION (continued) |
|---|---|
| B. NON-WORKER INJURY/EXPOSURE | |
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| C. WORKER INJURY/EXPOSURE | |
| C. WORKER INSURT/EXPOSURE | |
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| D. CONTAMINATION OF WATER SUPPLY | |
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| E. CONTAMINATION OF FOOD CHAIN | |
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| X F. CONTAMINATION OF GROUND WATER | |
| The waste pond was reconstructed in 1976 of from the seepage of waste water. The monit | due to groundwater contamination toring data of 1983 indicates gradual |
| improvement of groundwater quality. | |
| | · · · |
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| X G. CONTAMINATION OF SURFACE WATER | |
| Several incidents of overflowing from the wooverflow was collected in the drainage ditcles waste pond was reconstructed in 1976 with bedischarge of overflow has been reported. | h that leads to Bastrop Bayou. The |
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PAGE 5 OF 10

Continue On Reverse

| VIII. HAZARD DESCR | IPTION (continued) | <u> </u> |
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| H. DAMAGE TO FLORA/FAUNA | and the same of | |
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| ☐ I. FISH KILL | | |
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| J. CONTAMINATION OF AIR | | |
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| K. NOTICEABLE ODORS | | years or a second |
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| L. CONTAMINATION OF SOIL | | |
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| M. PROPERTY DAMAGE | | |
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PAGE 6 OF 10

Continue On Page 7

| | VIII. HAZARD DESCRIPTION (continu | ued) |
|---|---------------------------------------|---------------------------|
| N. FIRE OR EXPLOSION | | |
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| XX O. SPILLS/LEAKING CONTAINERS/RUNG | FF/STANDING LIQUID | |
| | | not protocted from the |
| The piling area of solidif washout. The material is | Class I non-hazardous | not protected from runoff |
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| XX P. SEWER, STORM DRAIN PROBLEMS | | |
| See Section VIII. F. | | |
| See Section VIII. F. | | |
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| Q. EROSION PROBLEMS | | |
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| R. INADEQUATE SECURITY | · · · · · · · · · · · · · · · · · · · | |
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| S. INCOMPATIBLE WASTES | | |
| S. INCOMPATIBLE WASTES | | |
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| 8 | | VIII. HAZARD DES | SCRIPTION (continued) | | | |
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| T. MIDNIGHT DUMPING | | | | | | |
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| , | 1.7. 1 | POPULATION DIRE | CTLY AFFECTED BY S | | · · · · · · · · · · · · · · · · · · · | · |
| A. LOCATION OF POPULATION | | APPROX. NO. OPLE AFFECTED | C. APPROX. NO. OF PEC AFFECTED WITHIN UNIT AREA | PLE | D. APPROX. NO. OF BUILDINGS AFFECTED | E. DISTANCE TO SITE (apacify units) |
| 1. IN RESIDENTIAL AREAS | 13,0 | 00 | 13,000 | | 3,475 | 1-2 miles |
| 2 IN COMMERCIAL OR INDUSTRIAL AREAS | 7 | 00 | 700 | | 100 | 2-3 miles |
| IN PUBLICLY 3. TRAVELLED AREAS | 15,8 | 00 | 15,800 | | 0 | <0.25 miles |
| 4. PUBLIC USE AREAS. (perks, schools, etc.) | 6 | 50 | 650 | | 2 | < 1 mile |
| A. DEPTHITO GROUNDWATER(epeci | (fy unit) | X. WATER AND B. DIRECTION OF F | ND HYDROLOGICAL DAT | | OUNDWATER USE IN | VICINITY |
| 40 to 50 feet | -,, | Southeastern | | 1 | mestic & Stoc | |
| D. POTENTIAL YIELD OF AQUIFER | : | E. DISTANCE TO DE | INKING WATER SUPPLY | | RECTION TO DRINKIN | |
| 28 to 43 gpm G. TYPE OF DRINKING WATER SUP | | (epocity unit of me unknown | -cour <i>t</i>) | <u> </u> | Unknown | |
| i | | | | | | |
| 1. NON-COMMUNITY Y | Z. COMMU | INITY (apocity town): ONNECTIONS - | City of Angle | ton | | |
| 3. SURFACE WATER | 4. WELL | | | | | |
| EPA Form T2070-3 (10-79) | | PAC | E B OF 10 | | Contin | ue On Page 9 |

^{*}Regional groundwater flow direction
**Domestic & stock wells abandoned within mile radius of site, due to saline water intrusion (TDWR Report #113)

| Continued From | Page 8 | | | ι, | | | | |
|------------------|--|----------------|--|-----------------------------|-------------------------|--------------------------|----------------------------------|------------------------------------|
| | | | X. WATER AND HYDROLOG | GICAL DATA | (00 | ontinued) | | |
| H. LIST ALL DRI | KING WA | TER WEL | LS WITHIN A 1/4 MILE RADIUS OF | SITE | | | | |
| 1. WELL | 2. DE (apecify | PTH y unit) | (proximity to | LOCATION population/buil | ldin | (g*) | NON-COM- MUNITY (mark 'X') | COMMUN- ITY (mark 'X') |
| NONE | | | | | | · . | | |
| | | | | | | | · | 1 |
| | | | | | | | n week of Blood | am ever trouscriptington (berhelb) |
| | | | | | | | | |
| | | | | | • | | | |
| I. RECEIVING WA | TER | | | | | | | |
| 1. NAME | | | 2. SEWERS | XX 3. STREAM | MS/ | RIVERS | | |
| Bastrop Ba | you | | 4. LAKES/RESERVOIRS | S. OTHER | t (as | ecity): | | . |
| 6. SPECIFY USE | AND CLA | SSIFICAT | ION OF RECEIVING WATERS | | - | | | |
| San Jacint | o - Br | azos C | oastal Basin, Segment | 1106: C | 1 a | ssified as suitab | le for | |
| | | | and propagation of fis | | | | | |
| • | | | 1 13 3 | | | | |] |
| | | | XI. SOIL AND VEG | ITATION DA | TΑ | | | |
| LOCATION OF SI | TE IS IN: | | 221 0012 1110 120 | | <u></u> | | | |
| A. KNOWN | FAULT ZO | NE . | B. KARST ZONE | XX C. 100 | YE | AR FLOOD PLAIN | D. WETLAND | , |
| E. A REGUL | ATED FL | OODWAY | F. CRITICAL HABITAT | | | RGE ZONE OR SOLE SOUR | CE AQUIFER | |
| | | | XII. TYPE OF GEOLOGICAL | | | | | |
| Mark 'X' to indi | cate the t | | geological material observed and | specify where | re i | necessary, the component | parts. | |
| A. CVERBUI | RDEN | Ĭ. | B. BEDROCK (epecify below) | | $\stackrel{x}{\exists}$ | C. OTHER (ape | city below) | |
| X 1. SAND | | X Sa | nd, clayey sand | | | | | |
| X 2. CLAY | · <u>· </u> | X Sa | ndy clay, silty clay | | | | | |
| 3. GRAVEL | | | | | | | | |
| | | | XIII. SOIL PER | MEABILITY | | | | |
| A. UNKNOWN | 10-4 | to 10 | 1dy Loam -6 B. VERY HIGH (100,000 to X E. LOW (.1 to .001 cm/ sec. | |) | C. HIGH (1000 to 10 cm | - | ec.) |
| G. RECHARGE A | REA | | | | if | er occur through | direct | |
| X 1. YES | 2. NO | 3. C | OMMENTS: infiltration of | f precip | it | ation on the outc | rop area | • |
| 1. YES | 2. NO | 3. C | OMMENTS: | | | | | |
| I. SLOPE | DE 41 OPE | 1 2 • | PECIFY DIRECTION OF SLOPE, CO | ONDITION OF | 31.4 | OPE. ETC. | | |
| 0-1% | Dr SCOPE | (| Slope towards southeas | | - | | | |
| J. OTHER GEOL | | | | | _ | | | |
| | | | gic units containing f sand, Willis sand, Ben | | | | | |
| | | | Quaternary alluviam. | | | | | |
| Holocene (1 | | | ne rock types are amin | | | | | |
| and clay be | | | mation dip toward the | | | | tachment | |
| EPA Form T2070- | | | | 9 OF 10 | | | Continue On | |

| Tita all collections in the | | XIV. PERMIT INF | | | | | | | |
|--|----------------------|---------------------------|----------------|---------------------|------------------|----------|--------|--|--|
| List all applicable permits h | erd by the site a | nd provide the retated in | D. DATE | E. EXPIRATION | F. IN COMPLIANCE | | | | |
| A. PERMIT TYPE (e.g., RCRA, State, NPDES, etc.) | B. ISSUING AGENCY | C. PERMIT NUMBER | (moi,dey,&yr.) | DATE (mo.,day,&yr.) | 1. YES | 2. NO | S. UN- | | |
| RCRA Interim | EPA | TXD 08647800 | 11/18/80 | | - | | Х | | |
| Solid Waste Registration | TDWR | 30207 | 5/06/80 | | χ | | | | |
| WCO | TDWR | 02019 | 7/30/76 | | х | | | | |
| Texas Clean Air | ТАСВ | R 6638 | 7/03/79 | | | | Х | | |
| , , , , , , , , , , , , , , , , , , , | | | | > | | | | | |
| | | | | | | | | | |

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

NONE YES (summarize in this space)

In 1972, a wastewater discharge permit, WCO No. 02019, was first issued for discharging of waste lake water into the City of Angleton's sewer. Before 1972, the wastewater was discharged into Angleton's drainage ditch, which leads to Bastrop Bayou.

In 1976, the waste lake was reconstructed to control the groundwater contamination and to prevent overtopping after heavy rains. No enforcement actions were undertaken.

In 1983, TDWR reported the violations of disposing the Class I material (floating material from oil/water separator) in a Class II landfill site. The wastes are not stored on-site. An outside contractor will be used for disposal of these materials.

NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition (Section II) information on the first page of this form.

EPA Form T2070-3 (10-79)

PAGE 10 OF 10

LIST OF ATTACHMENTS

- 1. Attachment A Site Inspection Supplement Sheet
- 2. Attachment B Surface Impoundment Supplement Sheet
- 3. Attachment C Site Inspection Comments
- 4. Attachment D Site Location
- 5. Attachment E Site Map
- 6. Attachment F-1 & F-2 Chain of Custody Record, Laboratory Results
- 7. Attachment G Monthly Summary of Waste Lake Samples
- 8. Attachment H-1 & H-2 Background Data of Monitoring Wells
- 9. Attachment I-1 I-4 1983 Groundwater Monitoring Self-Report Data
- 10. Attachment J Groundwater Monitoring System Supplemental Form
- 11. Site Safety and Work Plan
- 12. Photos

ATTACHMENT A

POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION AND PRELIMINARY ASSESSMENT SUPPLEMENT SHEET

Instruction - This sheet is provided to give additional information in explanation of a question on the form T2070-3.

Corresponding number on form

Additional Remark and/or Explanation

III. F.

The floating material from the oil/water separator is Class I non-hazardous and composed of oil and polyethylene pellets. The waste used to be disposed off-site at the Brazoria County Class II Landfill in Clute, Texas. After being notified by TDWR about this violation, the floating material has been stored on-site. Currently, a contract is under negotiation for disposing of this material by Texas Ecologist, Inc., in Robstown, Texas.

XIII. J.

greater than the slope of the land surface; therefore, may occur at greater depth and truck in Gulfward direction (Figure 3). The chief aquifers in the region are Chicot and Evangeline aquifers with a thickness of 500 to 900 feet and 1100 to 1500 feet.

| SURFACE IMPOUNDMENTS SITE INSPECTION REPORT (Supplemental Report) | INSTRUCTION Answer and Explain as Necessary. |
|---|--|
| T. TYPE OF IMPOUNDMENT | 1076 |
| Irregular-shaped, earthen pond, lined with clay, reconstructed in | 19/0. |
| 2. STABILITY/CONDITION OF EMBANKMENTS | |
| Good | |
| 3. EVIDENCE OF SITE INSTABILITY (Erosion, Settling, Sink Holes, etc.) | |
| 4. EVIDENCE OF DISPOSAL OF IGNITABLE OR REACTIVE WASTE | |
| S. ONLY COMPATIBLE WASTES ARE STORED OR DISPOSED OF IN THE IMPOUNDMENT | |
| 6. RECORDS CHECKED FOR CONTENTS AND LOCATION OF EACH SURFACE IMPOUNDMENT | |
| 7. IMPOUNDMENT HAS LINER SYSTEM TO INTEGRITY OF LINER SYSTEM | CHECKED |
| □ ves □ no | • |
| Black colored floating material covers about 20-25% of pond surfac | e. |
| Beaumont formation of clay, with about 10 feet below-grade of silt by sand, clayey and clay layers. | y clay followed |
| AN ARE COM TWO MELLS | |
| 10. CENGTH, WIDTH, AND DEPTH | |
| LENGTH ~ 400' WIDTH ~ 200' DEPTH 3' - 4' | |
| 2 MG | |
| 12 PERCENT OF CAPACITY REMAINING | |
| Depends on frequency of discharge of pond water into city sewer: | |
| 13. ESTIMATE PREEDOARD | |
| Varied from 1' to 3'. | |
| Solids deposition is possible | • |
| NONE | • |
| 16- OTHER EQUIPMENT | |
| Two 5 HP surface aerators are used mainly for odor control. | • |

ATTACHMENT C RCRA 3012 SITE INSPECTION COMMENTS RICHMOND TANK CAR COMPANY TX #05746

The inspection was conducted on Thursday, May 10, 1984 by Philip S. Liang of Engineering-Science, Inc. (ES), representing the Texas Department of Water Resources (TDWR). Mr. Tony Rodriguez, Superintendent of the Angleton facility, accompanied the inspection team.

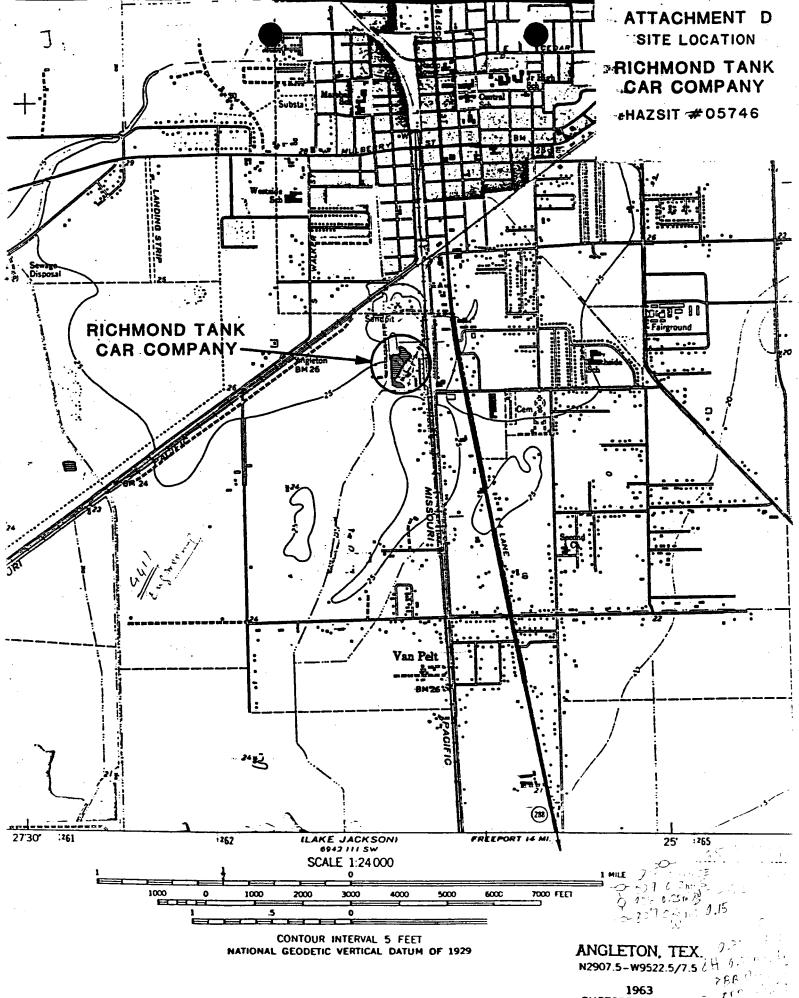
Richmond Tank Car Company operates a washing and maintenance terminal for tank cars and hopper cars at Angleton, Texas. The water used as wash water is pumped from an on-site water well which was dug possibly in 1960.

No well log information is available. Wash water resulting from a steam washing operation is diverted to a nearby below-grade oil/water separator, and then pumped to a two-acre waste lake used as a stabilization pond. The facility is allowed (W.C.O. Permit No. 02019) to discharge the wash water from the waste lake into the Angleton Sewage Treatment Plant at a rate of 20,000 gallons per day. Because of the problems with groundwater contamination, the waste lake was reconstructed in 1976 and the earthen berms were raised to prevent overtopping resulting from heavy rains. The reconstruction reduced the waste lake from six acres to two acres. Two five horsepower surface aerators were installed for odor control. At the time of the inspection, approximately a quarter of the waste lake surface area was covered with black-colored floating material.

The float collected from the oil/water separator, mainly polyethylene pellets and waste oil, was considered a Class I material by Richmond Tank Car Company and had been disposed of at the Brazoria County Landfill facility at Clute, Texas. In May 1983, TDWR indicated that this waste should be Class I non-hazardous, and requested disposal at an authorized site. Since then, the float has been stored on-site. Some float was observed on the ground around the separator. North of the separator is a drum storage area for temporary storage before solidifying with sand and gravel. The consolidating operation is conducted at a low area south to the fresh water pond. No meausres have been undertaken to prevent surface runoff washout. Currently, a contract is under negotiation for disposal of these materials by Texas Ecologist, Inc. at their Corpus Christi landfill site.

Attachments H-1 and H-2 present the background information of the two monitoring wells first sampled after reconstruction of the waste lake. The quarterly monitoring data of 1983 for these wells are presented in Attachments I-1 to I-4. These data indicate a gradual recovery of groundwater quality. Samples were collected from the two wells and the waste lake during the site inspection. The analytical results are presented in Attachments F-1 and F-2. The chlorinated organic (TOX) concentrations were 200 ug/L, 140 ug/L and 60 ug/L, respectively, for the waste lake, Well No. 1 and Well No. 2, indicating that certain chlorinated components exist in the wash water and the groundwater at low concentrations. Values of TOC and COD are within the reported ranges for background data. Heavy metals are lower than the primary drinking water standards except Selenium (Se) in Well No. 2.

Based on the past history of the site and documented low levels of chlorinated hydrocarbons in the groundwater, a low hazard has been assigned to this site. No further action is recommended under the RCRA 3012 Program, although continuing groundwater monitoring of the site is recommended.



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANI FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RE

PHOTOREVISED 1974 AMS 6942 III NW-SERIES V882

CHAIN OF CUSTODY RECORD

| PROJ. | | PROJE | CT N | AME | | 7 | | | 7 | 7 | 7 | 7 | //// |
|------------------|---------|-------------------|------|----------|--|----------------------|------|-------|-------|-------|-------|-------|--------------------------------------|
| SAMPLI SAMPLI | RS; (S | Kichi Igna tur | mon | d sp | Tank Car Co. (Has. \$05746) | NO. OF CONTAINERS | | /à | | No. | Sy A | | REMARKS |
| STA. NO. | | TIME | ā. | j | STATION LOCATION | 8 | 1 | 8// | (V) | | (O) | \\/ | |
| 1 | 5/10 | 3:30 | | 7 | Manitoring well # / | 1 | V | ٧ | 7 | J | J | | |
| 2 | | 3:30 | | ۷ | Montoning well #2 | 1 | J | 7 | 7 | 7 | V | | |
| 3 | 410 | 3-40 | | V | waste pond. | // | 1 | | J | J | J | | |
| | | | | | | | - | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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| | ļi | | | _ | | ļ | | | | | | | |
| Relinquis | hed by: | (Signa t | yre) | T^{I} | Date/Time) Received by: (Signa | (ure) | Reli | nguie | hed b | yı (: | Signa | ture | Date/Time Received by: (Signature) |
| Dhi | hi g | A 4 | 7 | 51 | IN/14 SPM | | | | | | - | | |
| Relinquis | | | | | Date/Time Received by: (Signa | ture) | Relu | quie | hed b | y:.(S | Signa | ture) | Date/Time Received by: (Signature) |
| Relinquis | hed by: | (Signat | ure) | | Date/Time Received for Labor (Signature) | | 5-10 | | /Tin | | - 1 | emer | rkst |

Attach F

ENGINEERING—SCIENCE, INC.

924 GEMINI BOULEVARD, HOUSTON, TEXAS 77058 (713) 488-3004

LABORATORY RESULTS

Engineering-Science, Inc. 9920 Gulf Freeway Houston, Texas 77034

Attn: Mr. Philip Liang

ES PROJECT NO. 8073.99

DATE SAMPLE RECEIVED

5-10-84

5-31-84 DATE DATA TRANSMITTED

CLIENT JOB REFERENCE _

TX 05746

ATTACHMENT F-1

| - | ES SAMPLE NUMBER | CLIENT IDENTIFICATION | pH S.U. | TOC mg/L | TOX ug/L | Cl ⁻ mg/L | COD mg/L | |
|---|------------------------|--------------------------|------------|-------------|-------------|-------------------------|-------------|--|
| | 5241 | GW Well #1 | 7.3 | 14 | 140 | 118 | 19 | |
| | 5242 | GW Well #2 | 6.4 | 24 | 69 | 277 | 59 | |
| | 5243 | Pond | 7.9 | | 200 | 395 | 551 | |



APPROVED FOR TRANSMITTAL

LABORATORY MANAGER

ENGINEERING—SCIENCE, INC.

924 GEMINI BOULEVARD, HOUSTON, TEXAS 77058 (713) 488-3004

Engineering-Science, Inc. 9920 Gulf Freeway

Houston, Texas 77034

Attn: Mr. Philip Liang

LABORATORY RESULTS

8073.99 ES PROJECT NO. __

DATE SAMPLE RECEIVED

TX 05746

5-10-84

DATE DATA TRANSMITTED

5-31-84

CLIENT JOB REFERENCE

ATTACHMENT F-2

| ES SAMPLE NUMBER | CLIENT IDENTIFICATION | As mg/L | Ва mg/L | Cd mg/L | Cr mg/L | Hg mg/L | Pb mg/L | Se mg/L | Ag mg/L |
|------------------------|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 5241 | GW Well #1 | < 0.04 | 0.7 | < 0.02 | 0.04 | < 0.002 | 0.02 | 0.03 | < 0.01 |
| 5242 | GW Well #2 | < 0.04 | < 0.5 | < 0.02 | 0.02 | < 0.002 | 0.02 | < 0.02 | < 0.01 |
| 5243 | Pond | < 0.04 | < 0.5 | < 0.02 | 0.02 | < 0.002 | 0.02 | < 0.02 | < 0.01 |



APPROVED FOR TRANSMITTAL

LABORATORY MANAGER

ATTACHMENT G

RICHMOND TANK CAR COMPANY
Monthly Summary
of
Chemical Analysis
of
Wastelake Samples

| Panameten | 2/1/84 | 2/6/84 | 2/13/84 | 2/27/84 | Average | Maximum |
|---|---------------|--------|---------|---------|---------|---------|
| Picchemical Oxygen Demand ₅ , mg/1 | 215 | 285 | 182 | 156 | 210 | 285 |
| Chamical Oxygen Demand, mg/l | 342 | 410 | 545 | 315 | 403 | 545 |
| Total Suspended Solids, mg/l | 87 | 73 | 34 | 7 | 50 | 87 |
| ÷ | 6 .7 · | 6.9 | 7.1 | 7.0 | | 7.1 |
| lab Vo. | 4839 | 4846 | 4875 | 4888 | | · |

RESOURCE ENGINEERING

ATTACHMENT H-1

TABLE 1

Monitoring Well No. 1

| | Date | 10Feb77 | 23Mar77 | 15Apr77 |
|---|---|----------|---------|---------|
| | Silica, ppm | 90 | 520 | 15.9 |
| | Calcium, ppm | 92.8 | 63.5 | 53.5 |
| | Magnesium, ppm | 27.8 | 35.9 | 14.6 |
| | Sodium, ppm | 650 | 417 | 350 |
| | Potassium, ppm | 6.98 | 1.10 | 2.18 |
| | Manganese, ppm | 5.25 | 6.0 | 1.30 |
| | Boron, ppm | 5.5 | <1.0 | 0.35 |
| | Iron, ppm | 1.41 | <.01 | 0.60 |
| | Specific Conductance, umhos/cm ² | 3000 | 1850 | 1500 |
| | Carbonate, ppm | 0 | 0 | 0 |
| | Bicarbonate, ppm | 516 | 479 | 403 |
| | Sulfate, ppm | <1 | 10 | 56 |
| | Chloride, ppm | 1.9 | 341 | 2.0 |
| | Fluoride, ppm | 0.74 | 0.69 | 1.22 |
| | Nitrate, ppm | 62 | <.1 | 13 |
| | pH | 7.4 | 7.4 | 7.4 |
| | Total Dissolved Solids, ppm | 1140 | 650 | 1020 |
| | Free Alkalinity, as ppm CaCO3 | 0 | 0 | 0 |
| | Total Alkalinity, as ppm CaC93 | 860 | 785 | 660 |
| | Total Hardness, as ppm CaCO3 | 358 | 317 | 194 |
| | Total Organic Carbon, ppm | 368 | 408 | 161 |
| _ | Methylene Blue Activated Substances, | ppm <1.2 | <1.2 | <1.2 |

ATTACHMENT H-2

TABLE 2

Monitoring Well No. 2

| Date | 10Feb77 | 234ar77 | 15Apr77 |
|---|------------|---------|---------|
| Silica, ppm | 52 | 6 | 8.7 |
| Calcium, ppm | 33.5 | 23.9 | 39.0 |
| Magnesium, ppm | 22.6 | 21.8 | 22.6 |
| Sodium, ppm | 298 | 330 | 360 |
| Potassium, ppm | 69.8 | 0.9 | 2.73 |
| Manganese, ppm | 0.34 | 1.8 | 1.2 |
| Boron, ppm | 16.4 | <1 | 0.20 |
| Iron, ppm | 2.14 | <.01 | 1.00 |
| Specific Conductance, unhos/cm² | 1360 | 1500 | 1740 |
| Carbonate, ppm | . 0 | 0 | 0 |
| Bicarbonate, ppm | 223 | 184 | 209 |
| Sulfate, ppm | <1 | 65 | 90 |
| Chloride, ppm | 4.6 | 290 | 35 |
| Fluoride, ppm | 0.54 | 0.14 | 0.47 |
| Nitrate, ppm | 13 | 38 | 44 |
| pH | 7.0 | 6.8 | 7.1 |
| Total Dissolved Solids, ppm | 510 | 432 | 1160 |
| Free Alkalinity, as ppm CaCO ₃ | 0 | 0 | 0 |
| Total Alkalinity, as ppm CaCO3 | 366 | 302 | 343 |
| Total Hardness, as ppm CaCO ₃ | 181 | 153 | 194 |
| Total Organic Carbon, ppm | 43 | 70 | 37 |
| Methylene Blue Activated Substances | , ppm <1.2 | <1.2 | <1.2 |



RESOURCE ENGINEERING

ATTACHMENT I-1

January 24, 1983

Richmond Tank Car Company P.O. Box 1000 Angleton, Texas 77515

Attention: Mr. Jerry Klingbeil

Report of chemical analysis of wastewater effluent taken from the monitoring wells on January 3, 1983.

Chemical Analysis

| <u>Parameter</u> | <u>Well #1</u> | Well #2 |
|---|----------------|---------|
| Total Organic Carbon, mg/l | 33 | 16 |
| Methylene Blue Active Substances, mg/l | 0.36 | 0.44 |
| рН | 6.5 | 6.5 |
| Specific Conductante, µmhos/cm ³ | 972 | 534 |

Very truly yours,

RESOURCE ENGINEERING, INC.

Bo Blankfield

Laboratory Director



RESOURCE ENGINEERING

ATTACHMENT 1-2

August 31, 1983

Richmond Tank Car Company P.O. Box 1000 Angleton, Texas 77515

Attention: Mr. Jerry Klingbeil

Report of chemical analysis of wastewater effluent taken from the monitoring wells on August 15, 1983. Received 8-24-83.

Chemical Analyses

| Parameter | Well #1 | Well #2 |
|--|---------|-------------|
| Total Organic Carbon,mg/l | 54 | 32 . |
| Methylene Blue Active Substances, mg/l | 0.08 | 0.08 |
| pH | 7.0 | 6.7 |
| Specific Conductante, umhos, cm | 1246 | 630 |

Very truly yours,

RESOURCE ENGINEERING

Bo Blankfield

Laboratory Director

BB:mrg

Eterson man



RESOURCE ENGINEERING

ATTACHMENT 1-3

October 4, 1983

Richmond Tank Car Company P.O. Box 1000 Angleton, Texas 77515

Attention: Mr. Jerry Klingbeil

Report of chemical analyses of wastewater effluent taken from the monitoring wells on 9-13-83. Received 9-30-83.

Chemical Analysis

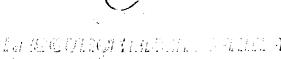
| Parameter | Well #1 | Well #2 |
|--|---------|---------|
| Total Organic Carbon, mg/l | 24 | 13 |
| Methylene Blue Active Substances, mg/l | 0.02 | 0.01 |
| рН | 6.5 | 6.7 |
| Specific Conductante, µmhos/cm | 1,157 | 535 |

Very truly yours,

RESOURCE ENGINEERING

Bo Blankfield Laboratory Director

BB:mrq



ATTACHMENT I-4

February 8, 1934

Richmond Tank Car Company P.O. Box 1000 Angleton, Texas 77515

Attention: Mr. Jerry Klingbeil

Report of chemical analysis of wastewater effluent taken from the monitoring wells on 1-13-84. Received on 1/20/84.

Chemical Analysis

| Parameter | Well #1 | Well #2 |
|---|--------------|---------|
| Total Organic Carbon, mg/l | 6 | 2 |
| ifethylene Blue Active Substances, mg/l | <0.01 | <0.01 |
| рН | 6.3 | 6.2 |
| Specific Conductante, umhos, cm | 104 0 | 770 |

Vary truly yours,

RESOURCE ENGINEERING

Bo Blankfield Laboratory Director

3B:mg

ATTACHMENT . J

GROUNDWATER MONITORING SYSTEM SUPPLEMENTAL FORM

| Angleton, 1 | °X 77515 | Hazsit # TX | 05746 | | |
|-----------------------|---------------|--------------------|-----------------|----------------|--------------------|
| KETCH SHOWI | NG WELL LOCA | TIONS - ATTACHM | ENT NO | E | • |
| lonitoring lell ID | Well Depth | Static Water Depth | Casing Depth | Type of Casing | Screening Depth |
| 1 | 17' | ~ 10' | *NA | 4" PVC | NA |
| 2 | 25' | ~ 15' | NA | 4" PVC | NA |
| | | | | | |
| | | | | | 1 |

6. COMMENTS

ENGINEERING-SCIENCE, INC. SITE INSPECTION TEAM SITE SAFETY AND WORK PLAN

A. GENERAL INFORMATION

| Tite. Michmond lank can company | nazsit no |
|---|---|
| Location: P.O. Box 1000, Angleton, Texas 77515 | |
| Plan Prepared by: David 6. Johnson | Date: |
| Approved by: | Date: |
| Objective(s): Establish history of on-site waste | management operations. The existing |
| and especially the closed portion of the on-sile po | · · · · · · · · · · · · · · · · · · · |
| the pond, sectiments, and groundwater should be a | · · · · · · · · · · · · · · · · · · · |
| groundwater analyses submitted to the TOWR as part | |
| Analyses should include metals such as Cr, Zn, Pb and C | hlorinated manic compounds, either |
| Proposed Date of Investigation: Noy 1984 | specifically or as TOX. |
| Preliminary Assessment Hazard: High M | edium Low _x_ |
| NoneU | nknown |
| | |
| B. SITE/WASTE CHARACTE | ERISTICS |
| Waste Type(s): Liquid _x Solid _x Sl | udne Gas |
| Characteristic(s): Corrosive _x Ignitabl | · |
| Volatile Toxic | |
| Unknown Other | · · · |
| | · |
| Facility Description: Facility involved in tank | Can creating and repair. |
| | |
| | |
| Principal Disposal Method (type and loca | ition): washing her is discharged |
| | |
| to a 2,000,000 gallown unlined stabilization pon | |
| Unusual Features (dike integrity, power | lines, terrain, etc.) None |
| onusual reactives (take integrity, power | |
| Status: (active, inactive, unknown): _ | active |
| History: (worker or nonworker injury, or remedial or enforcement action): _complaint to | complaints from public, previous that "float" was illegally sent to a |
| landfill not licensed for Class I waste. | , in the migray services |
| William Lot Lockyth IN Miles & Marie. | |

C. HAZARD EVALUATION

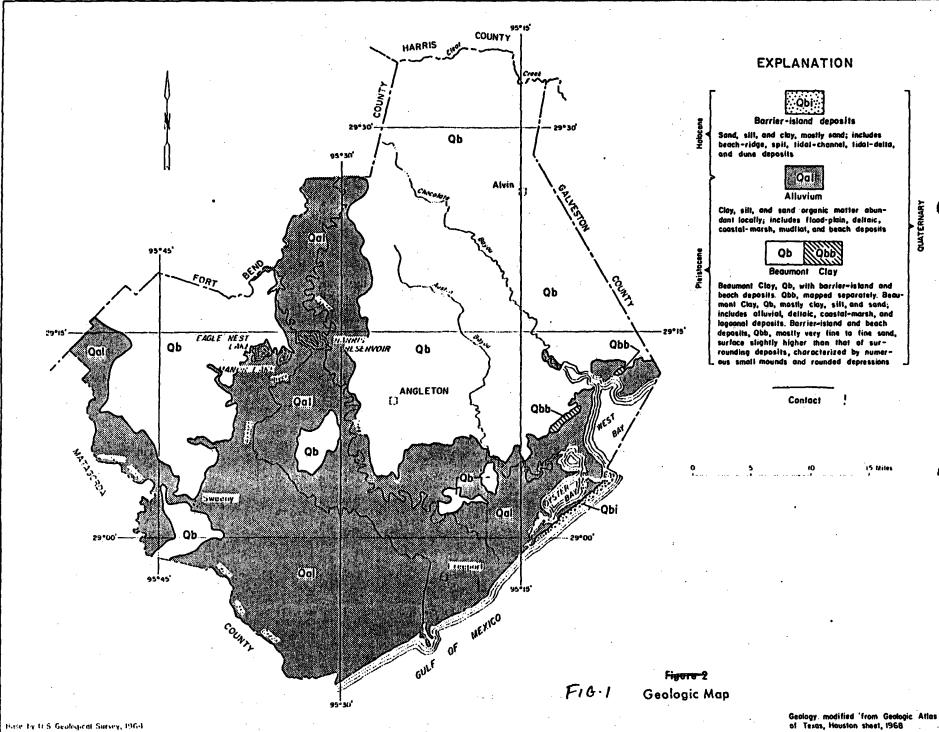
| the pond presence. It signific | ant oders are associated with the active pond, |
|---|--|
| the TLV meter should be used to | ant odors are associated with the active pond, to assess potential exposures. The Project Hamage |
| and Project Sefety Manager sh | ould be contacted if the TLV meter will be used. |
| | |
| | |
| | |
| | |
| | |
| | |
| e de la companya de | |
| | |
| | |
| | |
| . n | CITE CAEETY WODY DI AN |
| ERSONAL PROTECTION LEVEL OF PROTECTION: | SITE SAFETY WORK PLAN A B C D X es during sample collection: |
| ERSONAL PROTECTION LEVEL OF PROTECTION: | A B C D × |
| ERSONAL PROTECTION LEVEL OF PROTECTION: MODIFICATIONS: Wear glow | A B C D × |
| ERSONAL PROTECTION LEVEL OF PROTECTION: MODIFICATIONS: Wear glow | A B C DX es during sample collection. |
| ERSONAL PROTECTION LEVEL OF PROTECTION: MODIFICATIONS: Aleas gloss SURVEILLANCE EQUIPMENT A | A B C D X es during sample callection. |
| ERSONAL PROTECTION LEVEL OF PROTECTION: MODIFICATIONS: Aleas gloss SURVEILLANCE EQUIPMENT A | A B C D X es during sample collection. ND MATERIALS: Well bailet, pH meter TVV meter |
| ERSONAL PROTECTION LEVEL OF PROTECTION: MODIFICATIONS: Aleas gloss SURVEILLANCE EQUIPMENT A | A B C D X es during sample collection. ND MATERIALS: Well bailet, pH meter TVV meter |
| ERSONAL PROTECTION LEVEL OF PROTECTION: MODIFICATIONS: Aleas gloss SURVEILLANCE EQUIPMENT A | A B C D X es during sample collection. ND MATERIALS: Well bailet, pH meter TVV meter |
| ERSONAL PROTECTION LEVEL OF PROTECTION: MODIFICATIONS: Aleas gloss SURVEILLANCE EQUIPMENT A | A B C D X es during sample collection. ND MATERIALS: Well bailet, pH meter TVV meter |

| DECONTAMINATION PROCEDURES Work Plan for RCRA 3012 Site Inspe | : Follow standard procedures outlined in "benenic |
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| WAL MAN for NOW COLE OFFE MSPE | Cions |
| · · · · · · · · · · · · · · · · · · · | |
| Special Equipment, Facilit | ies, or Procedures: None |
| | |
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| | |
| <u>Team Member</u> | <u>Responsibility</u> |
| Philip S. Liang | |
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| E. EM | MERGENCY INFORMATION |
| enia en la companya de la <u>L</u> Mina de Sasanto de la companya de L | OCAL RESOURCES |
| Ambulance: (409) 233-2651 | 그 그는 그리다는 강하는 사람들은 말은 강하를 수 |
| Hospital: (409) 233-4421 | |
| Poison Control Center: (409) 6 | SU-1701 |
| The second of th | |
| Fire Department: (409) 733 | |
| EPA Contact: Carlene Chambers | (214) 2767=6481 |
| TDWR Contact: Daniel L. Schepp | and the second of the second o |
| Emergency Contacts: | |
| Project Safety Manager: D | Dr. Barry North (303) 455-4427 |
| | David G. Johnson (512) 477-9901 892-3755 |
| rational and the state of the s | Stocker C. Neeley (512) 477-9901 |

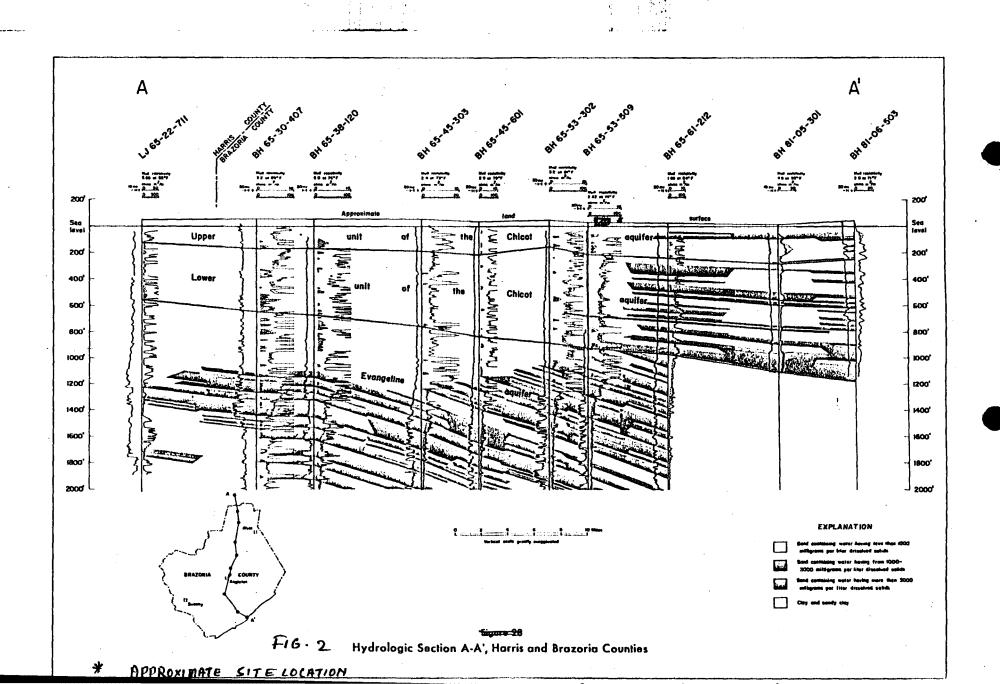
F. EMERGENCY ROUTES

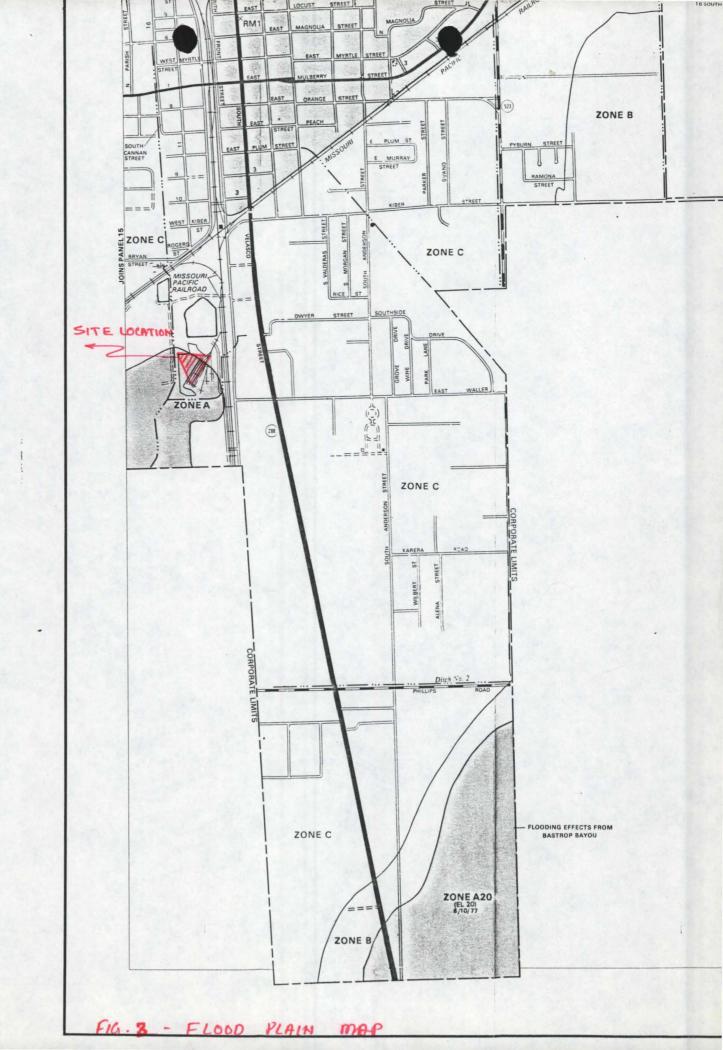
| HOSPITAL: | |
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tiase by U.S. Geological Survey, 1964.







Photographer/Witness

Philip S. Liang

Date / Time / Direction

5/10/84 3 PM NORTHEAST

Comments: Discharge point

into the 2-acre pond.

Photographer/Witness

Date / Time / Direction

Comments:



Photographer/Witness

Philip S. Liang

Date / Time / Direction

5/10/84 3PM Northwest

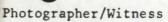
Comments: Float consolidation

area where the float from

oil/water separator are mixed

with sand, gravel and suffer to a littable level.





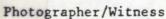
Philip S. Liang

Date / Time / Direction

5/10/84 3 pm west

comments: <u>Below-grade oil/water</u>
separator; piles of float on both
sides; leakage of washwater

into soil.



Philip S. Liang

Date / Time / Direction

5/10/84 3 pm West

floating pelets & oily material:

Photographer/Witness

Philip S. Liang

Bate / Time / Direction

5/10/84 3 pm west

Comments: Storage drums for

floating material skimmed

off from the seperator.

